AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. *(original)* A method for routing communication requests targeted for a user over a network, comprising:

subscribing a network entity to presence information of the user;

receiving at least one notification at the subscribing network entity indicating a state of the presence information of the user; and

creating routing instructions for routing incoming communication requests targeted for the user, based on the state of the presence information.

2. *(original)* The method of Claim 1, further comprising routing the incoming communication requests according to the routing instructions.

3. *(original)* The method of Claim 2, further comprising storing the routing instructions for reference by the network entity upon receipt of the incoming communication requests targeted for the user.

4. *(original)* The method of Claim 1, wherein creating routing instructions for routing incoming communication requests comprises creating a routing script, and further comprising storing the routing script for reference by the network entity upon receipt of the incoming communication requests targeted for the user.

5. *(original)* The method of Claim 1, further comprising receiving filter criteria at the network entity from a database entity, and wherein creating routing instructions for routing incoming communication requests comprises dynamically modifying the filter criteria based on the presence information of the user.

6. *(original)* The method of Claim 1, wherein receiving at least one notification at the subscribing network entity indicating a state of the presence information comprises receiving one or more notifications at the subscribing network entity indicating a change of state of the presence information.

7. *(original)* The method of Claim 1, wherein receiving at least one notification at the subscribing network entity indicating a state of the presence information comprises receiving a notification at the subscribing network entity indicating a state of the presence information at the time of the subscription of the network entity to the presence information.

8. *(original)* The method of Claim 1, further comprising registering one or more terminal applications with the network entity, and wherein subscribing the network entity to presence information of the user comprises subscribing the network entity to the presence information of the user in response to the registration of the one or more terminal applications.

9. *(original)* The method of Claim 1, further comprising publishing the presence information of the user.

10. *(original)* The method of Claim 9, wherein publishing the presence information of the user comprises publishing the presence information via a presence application server.

11. *(original)* The method of Claim 10, wherein subscribing the network entity to the presence information of the user comprises subscribing the network entity to the presence information at the presence application server.

12. *(original)* The method of Claim 11, wherein receiving at least one notification at the subscribing network entity indicating a state of the presence information of the user

comprises receiving a notification at the subscribing network entity from the presence application server indicating a state of the presence information of the user.

13. *(currently amended)* The method of Claim 1, wherein the network includes an IP Multimedia core network Subsystem (IMS) network and the network entity includes a Serving Call Session Control Function (S-CSCF), and wherein subscribing the S-CSCF to presence information of the user comprises providing a Session Initiation Protocol (SIP) SUBSCRIBE message from the S-CSCF to a presence application server to which the presence information of the user is published.

14. *(original)* The method of Claim 13, wherein receiving at least one notification at the subscribing network entity comprises receiving at least one SIP NOTIFY message at the S-CSCF from the presence application server.

15. *(currently amended)* A method for routing communication requests targeted for a user over a network including an IP Multimedia core network Subsystem (IMS) network, comprising:

subscribing a Serving Call Session Control Function (S-CSCF) to user presence information published on the network;

receiving at least one notification at the S-CSCF indicating a state of the user presence information;

creating a routing script at the S-CSCF based on the state of the user presence information; and

routing the communication requests, targeted for the user and received at the S-CSCF, to one or more destinations as dictated by the routing script.

16. *(original)* The method of Claim 15, further comprising identifying one or more attributes of the communication requests received at the S-CSCF, and wherein routing communication requests to one or more destinations comprises routing the communication

requests as dictated by the routing script and depending on the attributes of the communication requests.

17. *(original)* The method of Claim 16, wherein the attributes of the communication requests comprise at least one of a caller identity, a caller domain, a caller equipment type, a communication request priority, and a communication request type.

18. *(original)* The method of Claim 15, further comprising publishing the user presence information at a presence network entity coupled to the network, and wherein subscribing the S-CSCF to the user presence information published on the network comprises subscribing the S-CSCF to the user presence information at the presence network entity.

19. *(original)* The method of Claim 18, further comprising issuing a publication message including the user presence information from the user's User Equipment (UE) to the presence network entity, and wherein publishing the user presence information at a presence network entity comprises publishing, at the presence network entity, the user presence information provided via the publication message.

20. *(original)* The method of Claim 15, wherein subscribing the S-CSCF to the user presence information comprises issuing a SIP SUBSCRIBE message from the S-CSCF to a presence network entity to which the user presence information is published, in response to user registration to the IMS network via the S-CSCF.

21. *(original)* The method of Claim 15, wherein receiving at least one notification at the S-CSCF comprises receiving a SIP NOTIFY message at the S-CSCF from a presence network entity to which the user presence information is published, in response to a change of state of the user presence information.

22. *(currently amended)* The method of Claim 15, wherein receiving at least one notification at the S-CSCF comprises receiving a SIP NOTIFY message at the S-CSCF

from a presence network entity to which the user presence information is published, wherein the NOTIFY message indicates a state of the user presence information at the time of the subscription of the S-CSCF to the presence network entity.

23. *(original)* The method of Claim 15, wherein creating a routing script at the S-CSCF comprises creating a program to cause incoming communication requests targeted for the user to be routed according to the user presence information upon execution of the program.

24. *(currently amended)* The method of Claim 15, wherein creating a routing script at the S-CSCF comprises creating a data structure that provides routing actions for each association of the user presence information and communication request attributes.

25. *(original)* The method of Claim 24, wherein routing communication requests comprises routing the communication requests according to the routing actions of the data structure.

26. *(original)* A network entity for routing communication requests targeted for a user over a network, comprising:

a processor;

a subscription module operable with the processor and configured to subscribe to user presence information published on the network;

a notification management module operable with the processor and configured to receive notifications of a state of the user presence information;

a routing instruction generation module operable with the processor and configured to convert the state of the user presence information to routing instructions; and

a routing module operable with the processor and configured to identify one or more routing destinations for incoming communication requests targeted for the user based on the routing instructions.

27. *(original)* The network entity as in Claim 26, wherein the network comprises an IP Multimedia core network Subsystem (IMS) network, and the network entity comprises a Serving Call Session Control Function (S-CSCF).

28. *(original)* The network entity as in Claim 26, further comprising a transmitter to transmit the incoming communication requests to the routing destinations.

29. *(original)* The network entity as in Claim 26, wherein the routing instruction generation module comprises a routing script generation module operable with the processor and configured to convert the state of the user presence information to a routing script.

30. *(original)* The network entity as in Claim 26, wherein the routing instruction generation module comprises a filter criteria modification module operable with the processor and configured to dynamically modify, based on the user presence information, filter criteria received at the network entity from a database entity, and wherein the modified filter criteria comprises the routing instructions.

31. *(original)* A system for routing communication requests via an IP Multimedia core network Subsystem (IMS) network, comprising:

a User Equipment (UE);

a presence server coupled to receive and publish presence information associated with the UE; and

a Serving Call Session Control Function (S-CSCF) comprising a processor configured to subscribe to the published presence information associated with the UE and to receive notifications of a state of the published presence information, and further configured to generate routing instructions for incoming communication requests targeted for the UE based on the state of the published presence information.

32. *(original)* The system as in Claim 31, wherein the S-CSCF further comprises a memory for storing the routing instructions for use in routing the incoming communication requests.

33. *(original)* The system as in Claim 31, wherein the processor of the S-CSCF is further configured to identify routing destinations for the incoming communication requests targeted for the UE based on the routing instructions.

34. *(original)* The system as in Claim 31, wherein the UE comprises a publication module configured to publish the presence information associated with the UE.

35. *(original)* A computer-readable medium having instructions stored thereon which are executable by a computer system for routing communication requests targeted for a user over a network by performing steps comprising:

subscribing a network entity to presence information of the user;

receiving at least one notification at the subscribing network entity indicating a state of the presence information of the user; and

creating routing instructions for routing incoming communication requests targeted for the user, based on the state of the presence information.